

**PX-127**



## SOFTWARE PRODUCT DEVELOPMENT

# Application Design Document for *S3 Item Search Center*

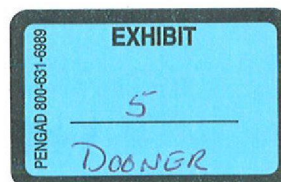
Revision 1.1 (Reviewed)

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Lawson Software

Revision #	Revision Description	Revision Date	Revised By
0.1	Initial Draft	12/3/08	Dave Christianson
0.2	Minor fixes the search attributes table were made.	2/24/09	Dave Christianson
1.0	Made final revisions so this document can be used in testing.	2/27/09	Dave Christianson
1.1	Added fields to the search attributes that can be used as filters.	3/3/09	Dave Christianson



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## 1.0 Overview of the System

Targeted Releases	9.01 and forward
Database Impact	None
Migration Impact	None
Release Notes	This enhancement involves adding the capability to search for item information from S3 database tables within the Smart Office UI.
Documentation Impact	Smart Office User Guide.
Requirements Addressed	

## 1.1 Overview

This enhancement involves adding the capability to search for item information from S3 database tables within the Smart Office UI. This document specifies the details of the S3 item search, listing the database tables and their data elements that can be searched.

The following are the key components of the Smart Office search engine:

- ▶ Enterprise Search
  - Free form search across multiple data sources (e.g. Applications, Knowledge Base, Business Intelligence, etc.)
  - Users can limit their searches to specific data sources.
  - Users can search previously “unsearchable” data, such as description fields, comments, attachments, etc.
- ▶ Personal History Search
  - Every transaction performed by a user is indexed locally, hence, a user can quickly retrieve any data related to their personal work history.
    - Review work – e.g. see all your transactions with a particular vendor
    - Reuse work – e.g. find an item you added and reuse it to add a similar item
  - Every time a user performs a search, the top 20 search results per Interest Center are indexed locally. The user can then quickly retrieve any data related to previous searches.
- ▶ Contextual Focused Search (M3)
  - Context searches within S3 and M3 applications

These “smart” searches lead users to data in a way not previously possible



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NO Related Documents

Document

Description

Location



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## 3.4 Programs and Components

## 3.1 S3 Item Search

The S3 Item Search Center adds the capability to search for item information within the item master (ITEMMAST table), item location (ITEMLOC table) and vendor item (POITEMVEN table). The table below lists the database tables and fields that are searchable.

## S3 Item Search Attributes

Search Element Name	Database Table(s)	Database Field(s)
Item	ITEMMAST ITEMLOC POITEMVEN	ITEM
Vendor_Item	POITEMVEN	VEN-ITEM
Description	ITEMMAST	DESCRIPTION DESCRIPTION2
Description	ITEMLOC	VEN-ITEM-DESC
Generic_Name	ITEMMAST	GENERIC
Manufacturer_Information	ITEMMAST ITEMLOC POITEMVEN	MANUF-CODE MANUF-DIVISION MANUF-NBR
User_Field	ITEMMAST	USER-FIELD1 USER-FIELD2 USER-FIELD3 USER-FIELD4 USER-FIELD5
User_Field	ICITEUF	UFM-USR-FLD-01 UFM-USR-FLD-02 UFM-USR-FLD-03 UFM-USR-FLD-04 UFM-USR-FLD-05
User_Field	ITEMLOC	USER-FIELD1 USER-FIELD2 USER-FIELD3
User_Field	ICITLUF	ITL-USR-FLD-01 ITL-USR-FLD-02 ITL-USR-FLD-03 ITL-USR-FLD-04 ITL-USR-FLD-05



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Element Name	Database Table(s)	Database Field(s)
User_Field	POPIVUF	PIV-USR-FLD-01 PIV-USR-FLD-02 PIV-USR-FLD-03 PIV-USR-FLD-04 PIV-USR-FLD-05
Commodity_Code	ITEMMAST	COMMODITY-CODE
ICN_Code	ITEMMAST	ICN-CODE
UNSPSC_Product_Code	ITEMMAST	ICSEGMENT ICFAMILY ICCLASS ICCOMMODITY
Replacement_Item	ITEMMAST	REPLACE-ITEM
MSDS_Document	ITEMLOC	MSDS-DOCUMENT
Item_Group*	ITEMMAST	ITEM-GROUP
Status*	ITEMMAST ITEMLOC	ACTIVE-STATUS
Status*	POITEMVEN	STATUS
Stock_UOM*	ITEMMAST	STOCK-UOM
Secondary_UOM*	ITEMMAST	SEC-UOM
Tax_Category*	ITEMMAST	PROD-TAX-CAT
Lot_Tracking*	ITEMMAST ITEMLOC	LOT-TRACK-FL
Serial_Tracking*	ITEMMAST ITEMLOC	SER-TRACK-FL
Certification*	ITEMMAST	CERT-REQ-FL
Kit_Item*	ITEMMAST	KIT-ITEM-FL
MSDS_Required*	ITEMMAST	MSDS-FLAG
Broken_Case_Charge*	ITEMMAST	BRKN-CS-CHRG
Allow>Returns*	ITEMMAST	OE-ALLOW-RTN
Purchasing_Class*	ITEMMAST	PURCH-MAJCL PURCH-MINCL
Inventory_Class*	ITEMMAST	INVEN-MAJCL INVEN-MINCL
Sales_Class*	ITEMMAST	SALES-MAJCL SALES-MINCL
Hazard_Code*	ITEMMAST	HAZARD-CODE
Consignment*	ITEMMAST ITEMLOC	CONSIGNMENT-FL
Hazard*	ITEMMAST	HAZARD-FL
Usage_Identifier*	ITEMMAST	USE-IDENTIFIER
Procurement_Group*	POITEMVEN	PROCURE-GROUP
Vendor*	POITEMVEN	VENDOR
Buy_UOM*	POITEMVEN	VBUY_UOM
Price_UOM*	POITEMVEN	VPRI-UOM
Default_Flag*	POITEMVEN	DEFAULT-FLG





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Element Name	Database Table(s)	Database Field(s)
Storage__Code*	ITEMLOC	STORAGE-CODE
Movement_Rank*	ITEMLOC	MOVE-RANK
Special_Cycle_Count*	ITEMLOC	SP-CYCLE-CNT
Patient_Chargeable*	ITEMLOC	CHARGEABLE-FL
Inventory_Tracking*	ITEMLOC	TRACKING-FL
Bin_Tracking*	ITEMLOC	BIN-TRACK-FL
Allow_Receipts*	ITEMLOC	ALLOW-REC-FL
Allow_Issues*	ITEMLOC	ALLOW-ISS-FL
Inspection_Required*	ITEMLOC	INSP-REQ-FL
Frozen	ITEMLOC	FREEZE-FL
Buyer*	ITEMLOC	BUYER-CODE
GL_Category*	ITEMLOC	GL-CATEGORY
No_Charge	ITEMLOC	NO-CHARGE-FL
Company*	ITEMLOC	COMPANY
Location*	ITEMLOC	LOCATION
Drop_Ship	ITEMLOC	OE-DROPSHIP-FL
Create_PO	ITEMLOC	OE-CREATEPO-FL
Allow_Returns	ITEMLOC	OE-ALLOW-RTN

\* These elements can only be used in combination with a search value to filter the results of a search.